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ABSTRACT

A method is provided to perform spatial locality testing on a memory array

5   having a logical address map distinct from its physical address map. The built-in self-

test generator performs memory spatial locality tests on the memory array by

generating adjacent physical memory row addresses that are then converted to

corresponding logical memory row addresses. Once the physical memory row

address is converted to its corresponding memory row address the test vector is

10   written to the logical memory row address to perform spatial locality tests on adjacent

physical memory row addresses of the memory array.